Subject: Re: Thinking about trying the garage
Posted by gofar99 on Wed, 02 Nov 2011 16:51:19 GMT
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Hi, Not exactly, but I did give it a lot of thought. The garage is about 24 feet long, 12 wide and around 11 high. Open 2X4s on the exterior wall. My plan was to partition off one end with a small 4X12 "room" so the equipment could be accessed from behind and would not intrude into the room except for the faces. The rest of things I did to a summer porch and would apply to the garage. I raised the floor on 2X6 beams on 12 inch centers supported every 24 inches on concrete posts (4 inch). The floor was Cris-crossed double layered 3/4 inch plywood. I wanted strength, but not a dead floor like the concrete would be. This was covered with a foam pad and carpet. The walls I insulted with R13 fiberglass faced with foil. The exterior wall was double layered with sheathing board over flake board (to cut down outside noise). Interior was was paneling. Ceiling was open rafters and I used R30 fiberglass with foil there. Then a sloped (1 in 10 pitch) suspended ceiling with sound absorbent tiles. I put in dedicated AC power to the room right off the circuit box and used an APC 1000 watt line conditioner/filter. Lighting and such was on a separate circuit. It was finished off with stuffed furniture and carefully placed wall coverings to manage the reflections.

All this was really great until my spouse decided she liked the room because it was quiet and warm feeling. So I started all over with the living room....

The key things I learned on this are
Manage exterior noise
Build solidly
Watch out for reflective surfaces,
A non-parallel floor to ceiling was helpful
Either the rear or front wall should be non-reflective (the other should be the opposite)
Side walls can be somewhat reflective, but not too much
Have clean AC power
Don't use conventional fluorescent ceiling lights
Be careful not to have too much sound deadening

I hope this is useful. I would have a go at the garage. Mostly the right size and shape.